



Subject	Biology
Course	Biology 1 (520,521,522, B521)
Task Name	Food Chains and Food Webs
Type	On Demand

Student Name	
Year of Graduation	
Teacher	
Date	

Targeted Learner Outcomes, GSEs & Standards	
Learner Outcomes and/or GSEs	Content Standards
<p>4.02.3 and 4.02.4 The student understands that matter cycles and energy flows through an ecosystem.</p> <p>4.04.9 The student understands that humans are similar to other species in many ways, and yet are unique among Earth's life forms.</p> <p>LS2 (9-11) INQ + SAE-3 Using data from a specific ecosystem, explain relationships or make predictions about how environmental disturbance (human impact or natural events) affects the flow of energy or cycling of matter in an ecosystem.</p> <p>3a defining and <u>giving an example of equilibrium</u> in an ecosystem.</p> <p>3b describing <u>ways in which humans can modify ecosystems and describe and predict the potential impact</u> (e.g. human population growth; technology; destruction of habitats; agriculture; pollution; and atmospheric changes).</p> <p>3c describing <u>ways in which natural events (e.g. floods and fires) can modify ecosystems and describe and predict the</u></p>	<p>Scientific Inquiry</p> <ul style="list-style-type: none"> •Identify a problem, <i>and</i> •Collect and display data, <i>and</i> •Make predictions, <i>and</i> •Analyze and interpret data, <i>and</i> •Use evidence to draw conclusions, <i>and</i> •Communicate findings <p>Systems & Energy</p> <ul style="list-style-type: none"> •Describe changes in matter or energy, <i>or</i> •Describe conditions for equilibrium between systems, <i>or</i> •Describe interactions and transfer of energy, <i>or</i> •Specify & explain interdependence of components, <i>or</i> •Recognize order & organization <p>Patterns of Change</p> <ul style="list-style-type: none"> •Predict constancy (i.e. patterns) & change, <i>or</i> •Trace sequence of changes in natural cycles <i>or</i> •Demonstrate understanding of change (i.e. evolutionary, processes, transformations) of Natural World <p>Nature of Science</p> <ul style="list-style-type: none"> • Provide evidence and reasoning, <i>and</i> • Demonstrate avoiding bias, <i>and</i>